

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

Product Name : **Monnex**  
Use : Fire extinguishing powder  
Supplier : Britannia Fire Limited  
Ashwellthorpe Industrial Estate  
Ashwellthorpe  
Norwich, NR16 1ER  
United Kingdom  
Telephone : +44 (0) 1508 488416  
E mail : [sales@britannia-fire.co.uk](mailto:sales@britannia-fire.co.uk)

## 2. HAZARDS IDENTIFICATION

Hazards identification : Not regarded as a health or environmental hazard under current legislation. No known acute health effects when used as intended.

## 3. COMPOSITION/INFORMATION OF INGREDIENTS

There are no hazardous components based upon current legislation. Please see section 8 for respirable dust information.

## 4. FIRST AID MEASURES

Inhalation : Remove casualty from exposure. Provide rest, warmth and fresh air.  
Ingestion : Rinse mouth with water and give plenty of water to drink. Do not induce vomiting.  
Skin contact : Wash the skin immediately with soap and water.  
Eye contact : Promptly wash eyes with plenty of water while lifting eye lids. Continue to rinse for at least 15 minutes.

If symptoms persist seek medical advice and treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Not applicable as this product is a fire extinguishing medium.

## 6. ACCIDENTAL RELEASE

Do not allow to enter public sewers and watercourses. If contamination of drainage systems or watercourses is unavoidable, immediately inform appropriate authorities.

Shovel into dry containers. Cover and move the containers. Vacuum cleaning is recommended to minimise dust formation. Flush the area with water.

## 7. HANDLING AND STORAGE

Handling : When handling this product use suitable containment methods to avoid generation dust and local exhaust ventilation to limit personal exposure.

Storage : Keep cool and dry in the absence of vibration. Maintain good housekeeping practice. Store away from sodium hypochlorite (bleach)

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient comments : Product contains Potassium Allophanate (78% +/-3%) and respirable Silica which has a MEL of 0.3mg/m<sup>3</sup> (8-hour TWA).

Personal protection : Use of gloves, goggles and protective clothing is recommended.

Ventilation : Provide sufficient ventilation for operations causing dust formation.

Respirators : Respiratory protection (P1) must be used if air concentration exceeds acceptable level.

Protective gloves : No specific hand protection noted but gloves may still be advisable. Use protective gloves made of impermeable material.

Eye protection : Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygienic work practices : Wash at end of each work shift and before eating, smoking and using toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Off white powder.

Odour : Slightly ammoniacal.

Ph : 8 to 9 of 10% solution in water.

Density : Settled apparent density 950 –1100 kg/m<sup>3</sup>

Solubility : Soluble in water but silicon additive delays dissolution.

Flammability : Non-flammable

Decomposition : at 270°C in flame zone.

## 10. STABILITY AND REACTIVITY

Stability : Normally stable.

Conditions to avoid : Avoid contact with acids. Avoid contact with water. Avoid contact with strong oxidisers.

## 11. TOXICOLOGICAL INFORMATION

Toxic dose –LD 50 : Monnex: >4000 mg/kg (oral rat).

Ingestion : May cause discomfort if swallowed.

Skin contact : Prolonged or repeated exposure may cause irritation.  
Inhalation : Dust may irritate respiratory systems or lungs.  
Eye contact : Particles in the eyes may cause irritation and smarting.

## 12. ECOLOGICAL INFORMATION

Mobility : Soluble in water therefore it could increase the pH if washed into watercourses.  
Bioaccumulation : Low potential for bioaccumulation.  
Degradability : Not readily biodegradable.  
Acute fish toxicity : Not toxic at limit of water solubility.

In the event of large spillage, advise the appropriate authority.

## 13. DISPOSAL

Disposal methods : Powder or contaminated packaging to be collected, sealed tightly in bags and disposed on approved landfills. Do not dispose with acids.  
Waste : European Waste Catalogue 160304

## 14. TRANSPORT INFORMATION

General information : Not classified as dangerous in the meaning of transport regulations.  
Not regulated.

When transported in a stored pressure or cartridge type fire extinguisher, the fire extinguisher is considered a class 2.2 hazard.

The proper shipping name shall be FIRE EXTINGUISHER and the number is UN 1044.

### UN Number

UN 1044

### UN proper shipping name

Fire extinguisher

### Transport hazard class(es)

2.2